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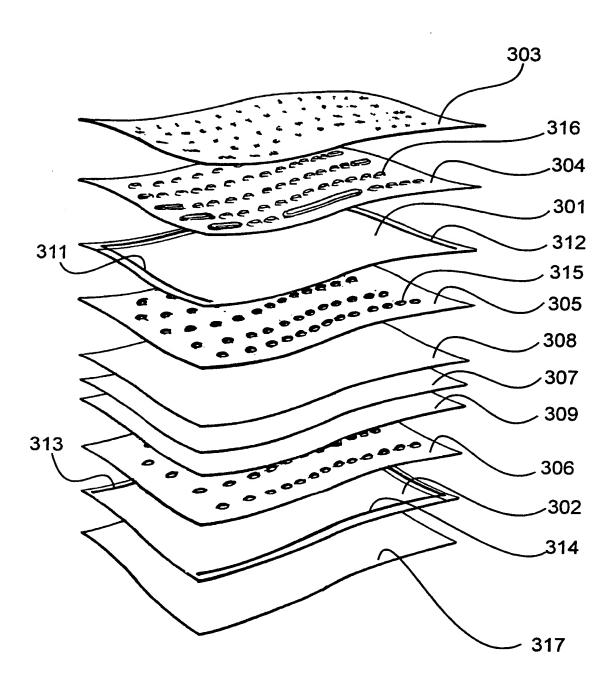


Figure 3

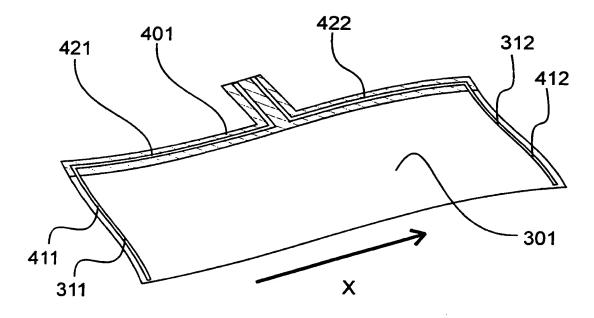


Figure 4A

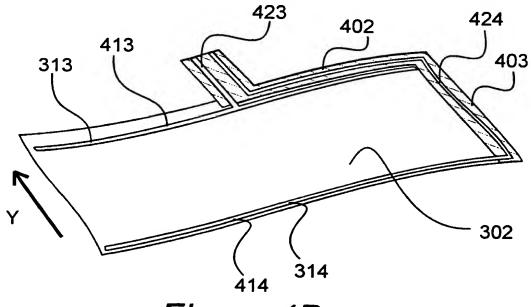
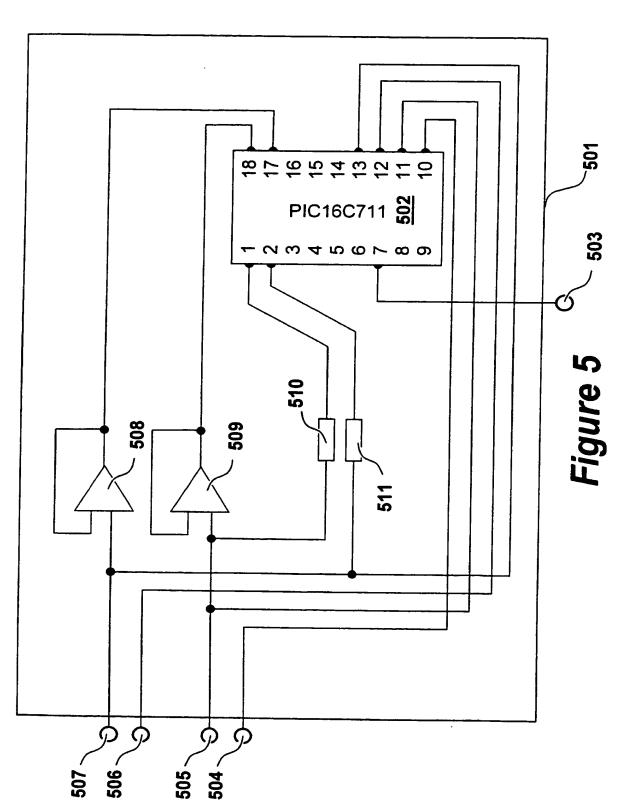
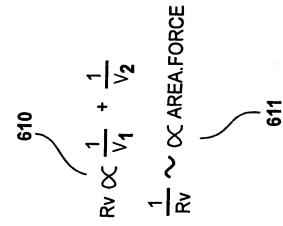
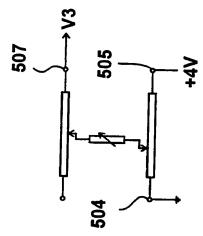


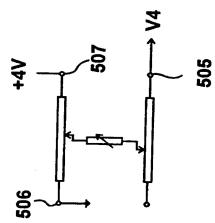
Figure 4B

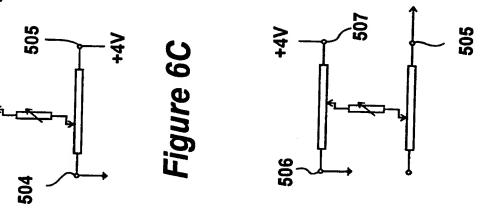
5/15

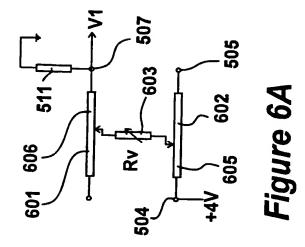


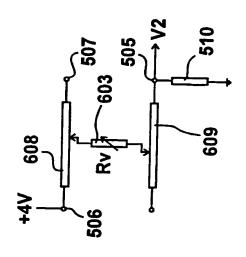












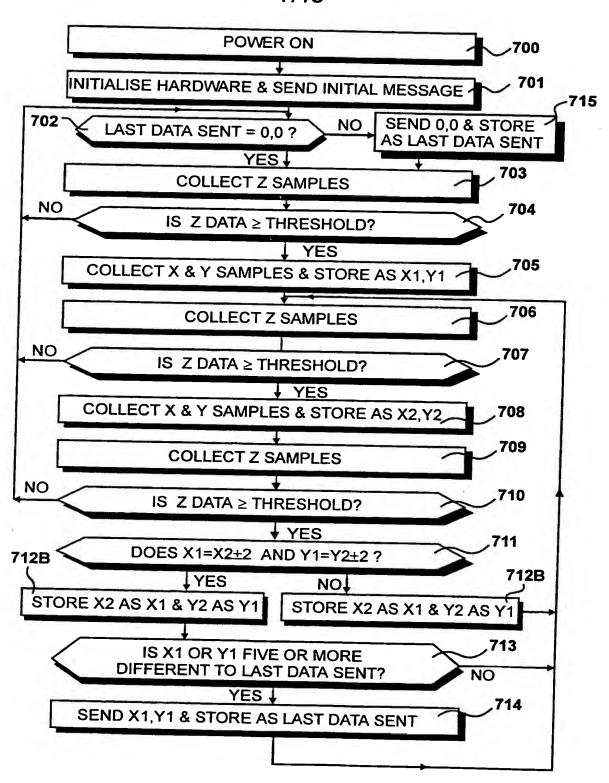


Figure 7

8/15 **CLEAR ALL INTERRUPTS** 801 SET UP PINS 17 AND 18 AS ANALOGUE TO DIGITAL **CONVERTER INPUTS** 802 803 CONFIGURE THE INPUTS AND OUTPUTS AS FOLLOWS: PIN NO CONFIGURATION 18 HIGH IMPEDANCE INPUT - INTERNALLY CONNECTED TO A TO D CONVERTER 17 HIGH IMPEDANCE INPUT - INTERNALLY CONNECTED TO A TO D CONVERTER 1 HIGH IMPEDANCE INPUT 2 HIGH IMPEDANCE INPUT 10 HIGH IMPEDANCE INPUT 11 HIGH IMPEDANCE INPUT 12 HIGH IMPEDANCE INPUT 13 HIGH IMPEDANCE INPUT 7 LOW IMPEDANCE OUTPUT CLEAR ALL SYSTEM VARIABLES AND DISABLE **ALL INTERRUPTS** 804 SEND INITIAL MESSAGE TO COMPUTER & SEND 0,Q 805 701 Figure 8

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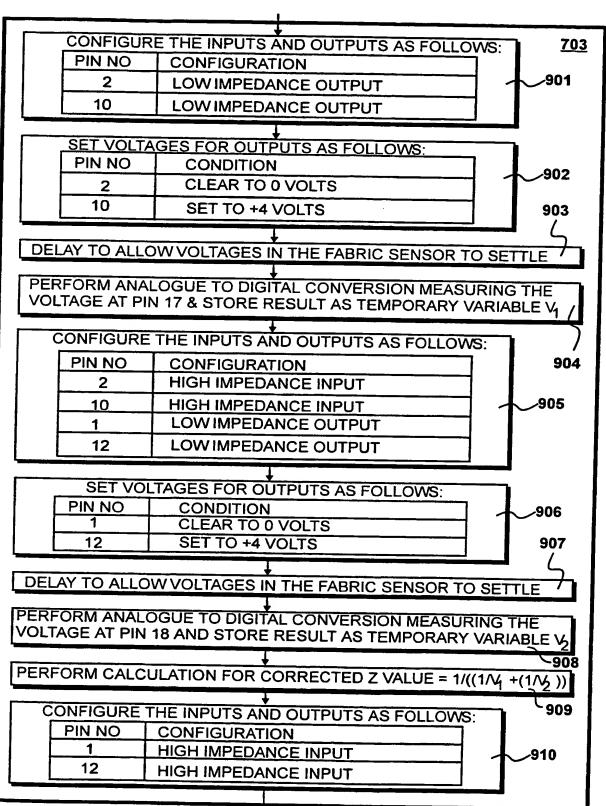
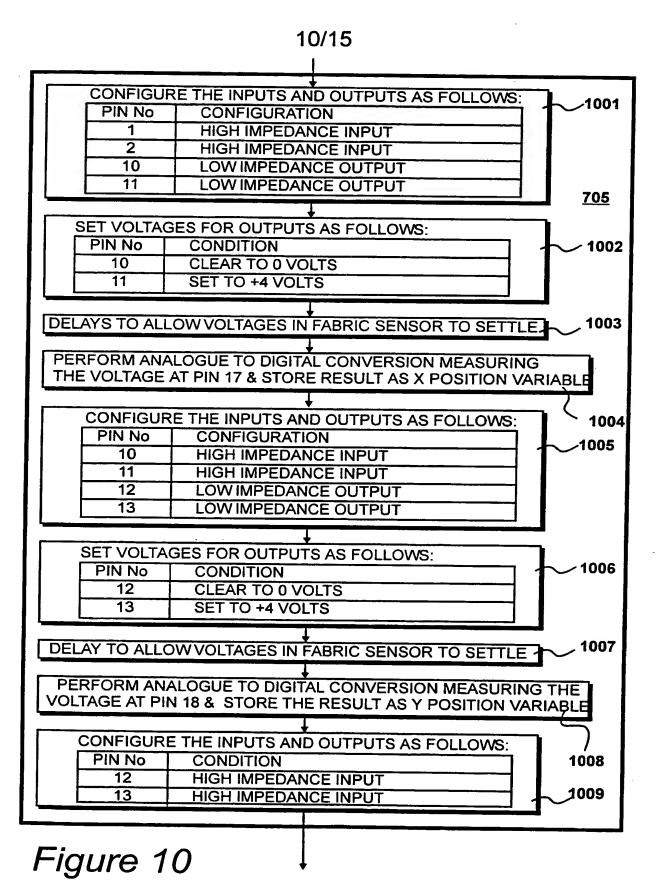


Figure 9



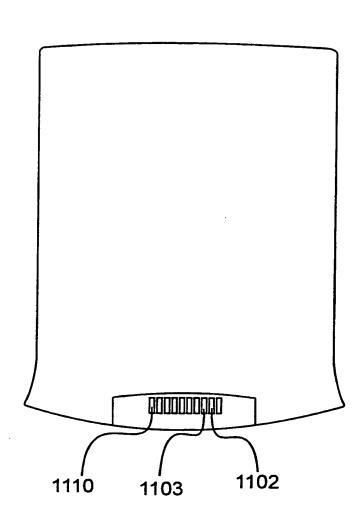


Figure 11

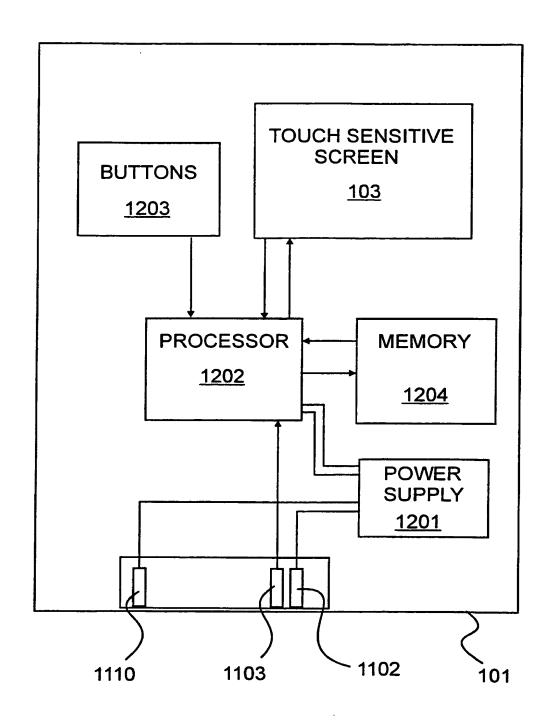


Figure 12

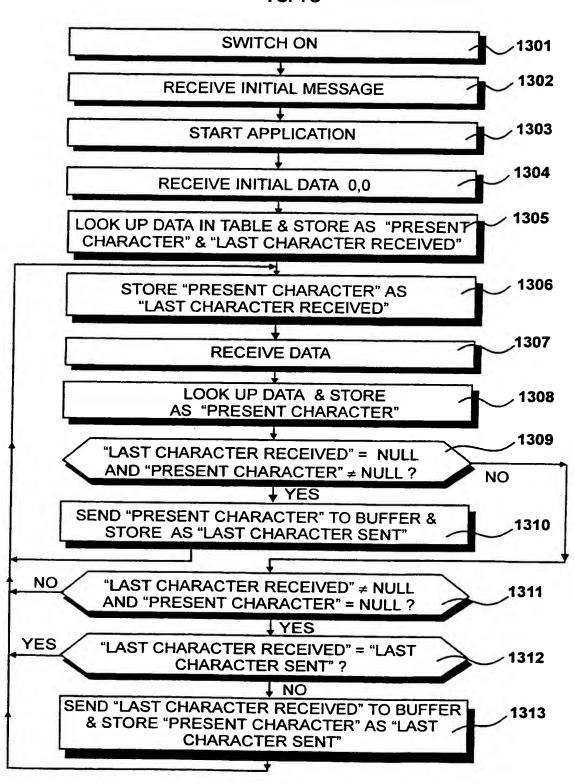


Figure 13

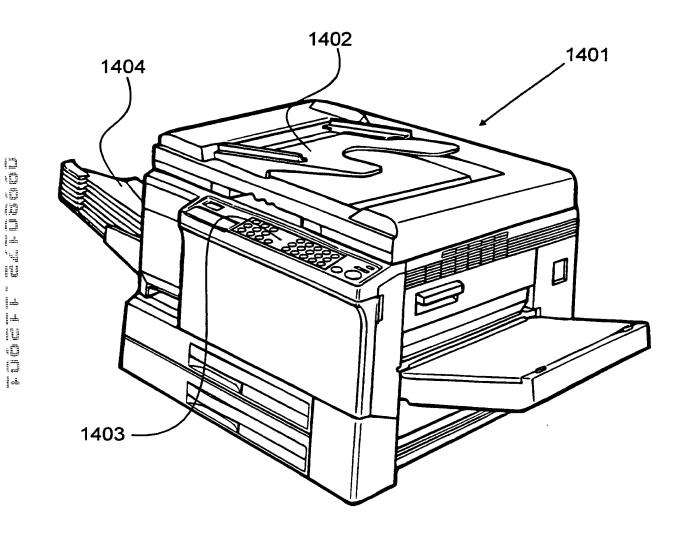


Figure 14

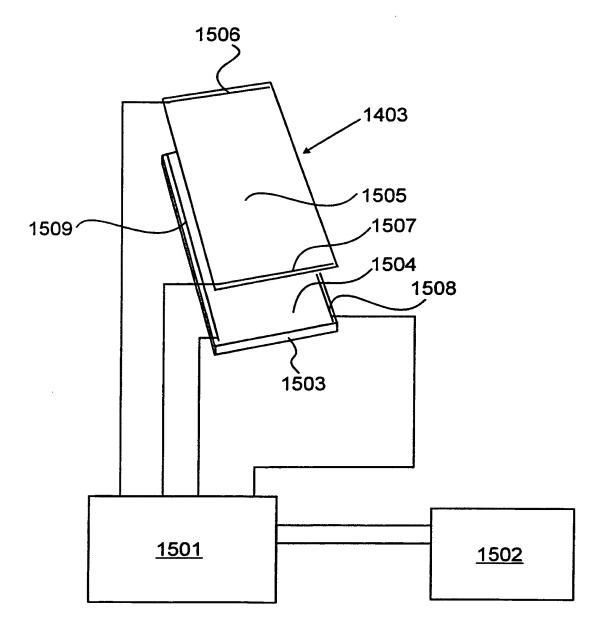


Figure 15